

Appendix 2. Estimate of screening results including and excluding already diagnosed patients [posted as supplied by author]

Scenario 1: Estimate Based on Current Published Evidence

Assumptions :

- Prevalence of depression: 10%
- Sensitivity: 85%
- Specificity: 74%
- Already diagnosed/ treated: 0%

		Depression diagnosis status		
		Non-case	Case	
Screening result	Negative	666	15	681
	Positive	234	85	319
		900	100	1000

Screening Results:

- Total number of patients screened : 1000
- True Positive cases (of total patients screened): 8.5%
- False Positive cases (of total patients screened): 23.4%
- Positive Predictive Value (of positive screens that would have depression): 26.6%

Scenario 2: Adjusted Estimate Excluding Already Diagnosed Patients

Assumptions :

- Prevalence of depression: 10%
- Sensitivity: 75%
- Specificity: 74%
- Depressed patients diagnosed by physicians: 50%

		Depression diagnosis status		
		Non-case	Case	
Screening result	Negative	666	12.5	678.5
	Positive	234	37.5	271.5
		900	50	950

Screening Results:

- Total number of patients screened : 950
- True Positive cases (of total patients screened): 3.8%
- False Positive cases (of total patients screened): 23.4%
- Positive Predictive Value (of positive screens that would have depression): 13.8%